Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ACT PRACTICE – QUIZ – MR. ARBO

1. Which of the following is equivalent to (1 - cosine squared of theta) over cosine squared of theta?

**A.** sec2theta  
**B.** (csc2theta) - 1  
**C.** tan2theta  
**D.** sin2theta  
**E.** - (1 over sine squared of theta)

2. From a point on the ground the angle of elevation to a ledge on a building is 27o, and the distance to the base of the building is 45 meters. How many meters high is the ledge?

**A.**45 over sine of 27 degrees   
**B.**45 over tangent of 27 degrees   
**C.** 45 sin 27o  
**D.** 45 cos 27o  
**E.** 45 tan 27o

